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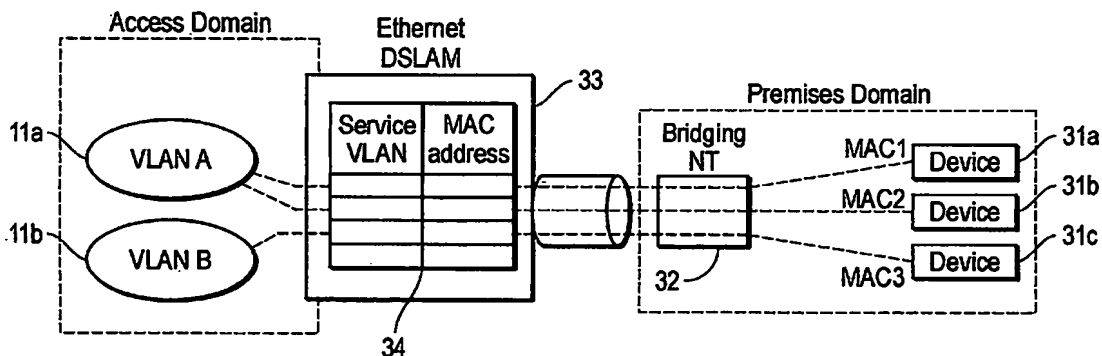
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(54) Title: **ETHERNET DSL ACCESS MULTIPLEXER AND METHOD PROVIDING DYNAMIC SERVICE SELECTION AND END-USER CONFIGURATION**



(57) Abstract: An Ethernet Digital Subscriber Line Access Multiplexer, DSLAM, (33) and method of dynamically creating a service binding in the Ethernet DSLAM based on a service selection made by an end-user (31). The end-user may use the PPPoE or IEEE802.1X access protocols to provide login credentials indicating the desired service. The login credentials are validated towards a RADIUS server (40), and this server configures the Ethernet DSLAM (33) with the attributes of the service binding, including an identified Permanent Virtual Circuit, PVC, (12) to carry the desired service. The Ethernet DSLAM may map service-VLANs to user MAC addresses (34), or may map service-VLANs to user-VLANs (62) to establish the service binding. The Ethernet DSLAM uses the identified PVC for downstream traffic for the corresponding service binding and thereby "trains" a learning bridge network terminal to use the correct PVC for upstream traffic.

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